

FIG. 1

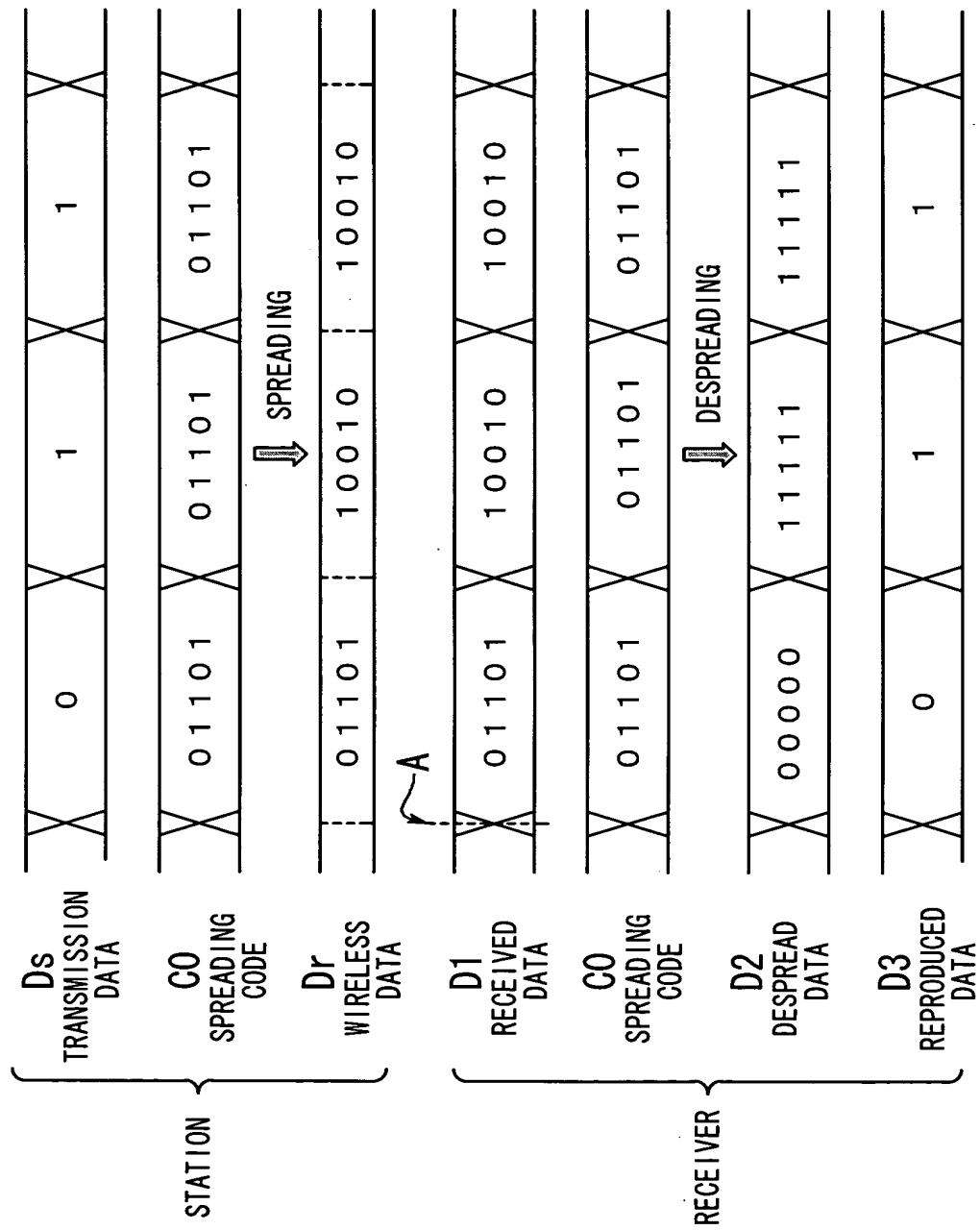


FIG. 2

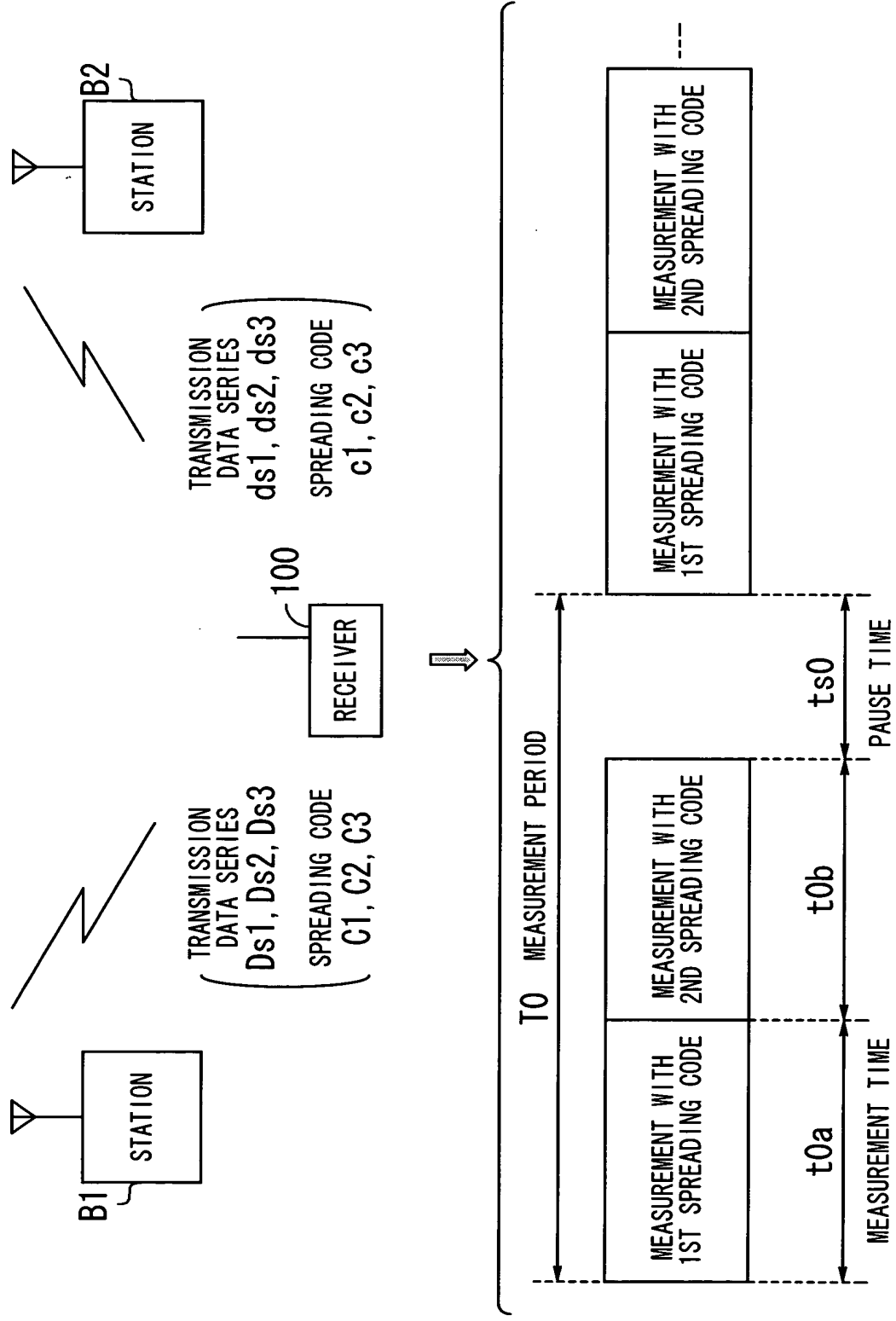


FIG. 3

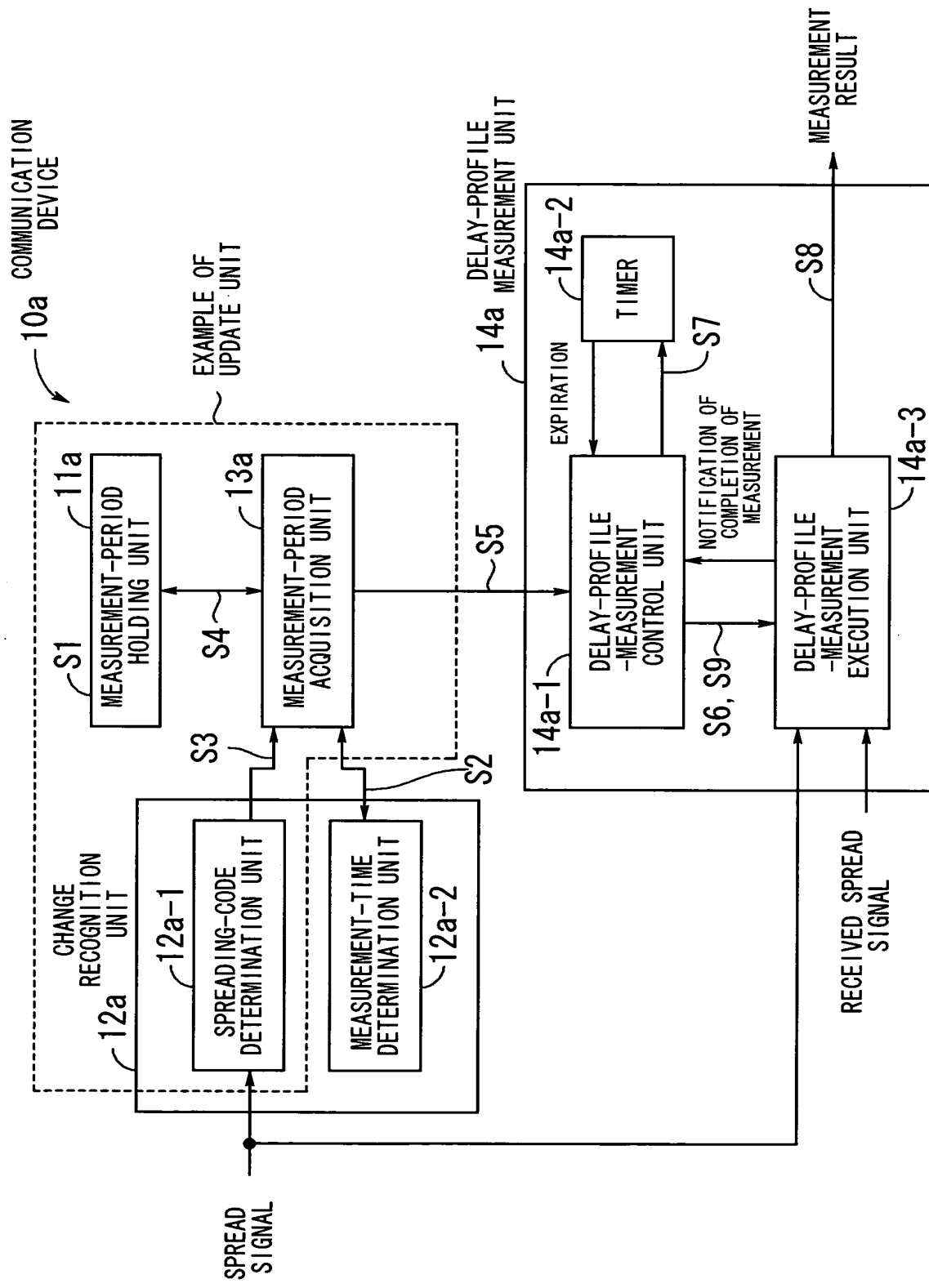


FIG. 4

11a-1

NUMBER OF SPREADING CODE	1-10	11-20	21-48
MEASUREMENT PERIOD	50ms	100ms	200ms

FIG. 5

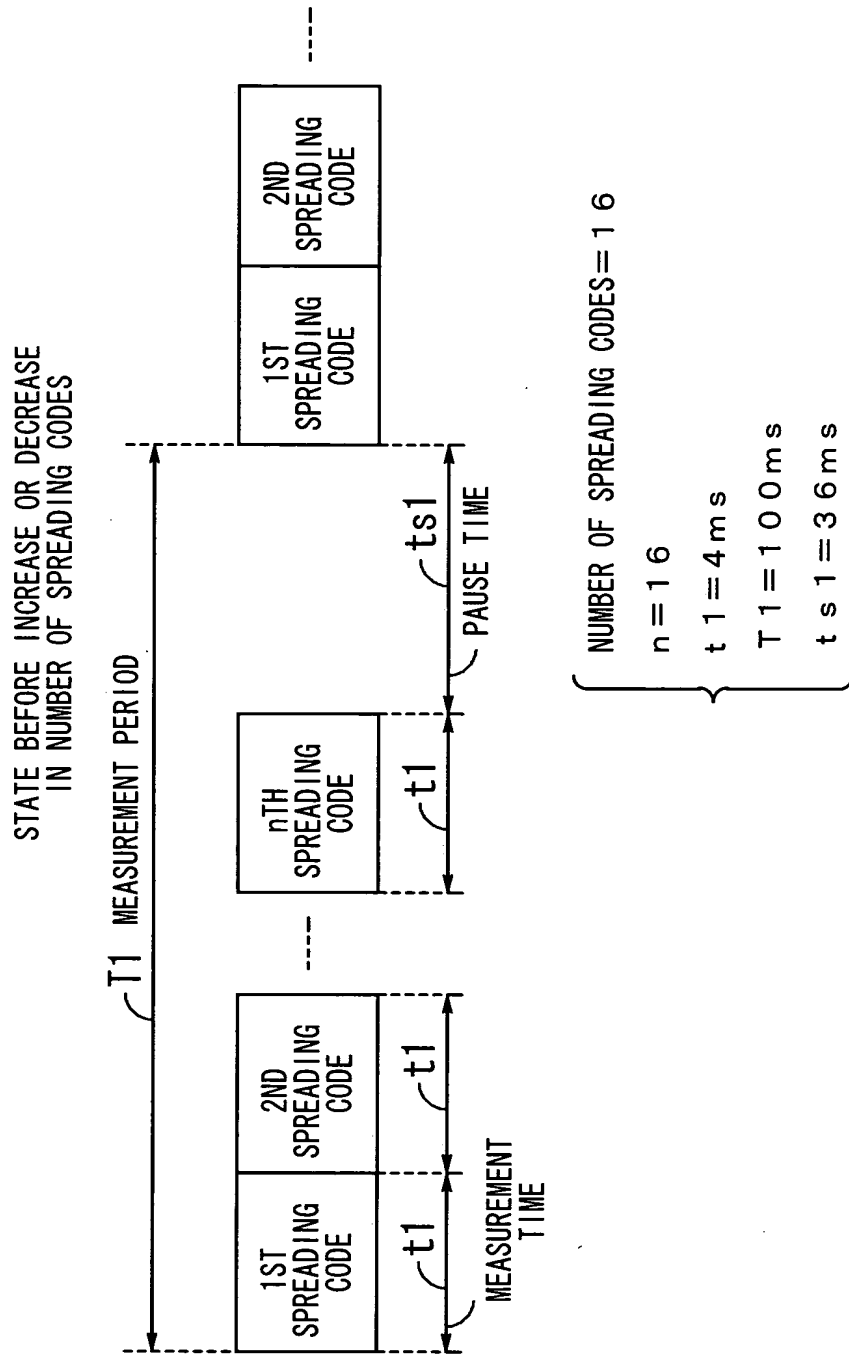
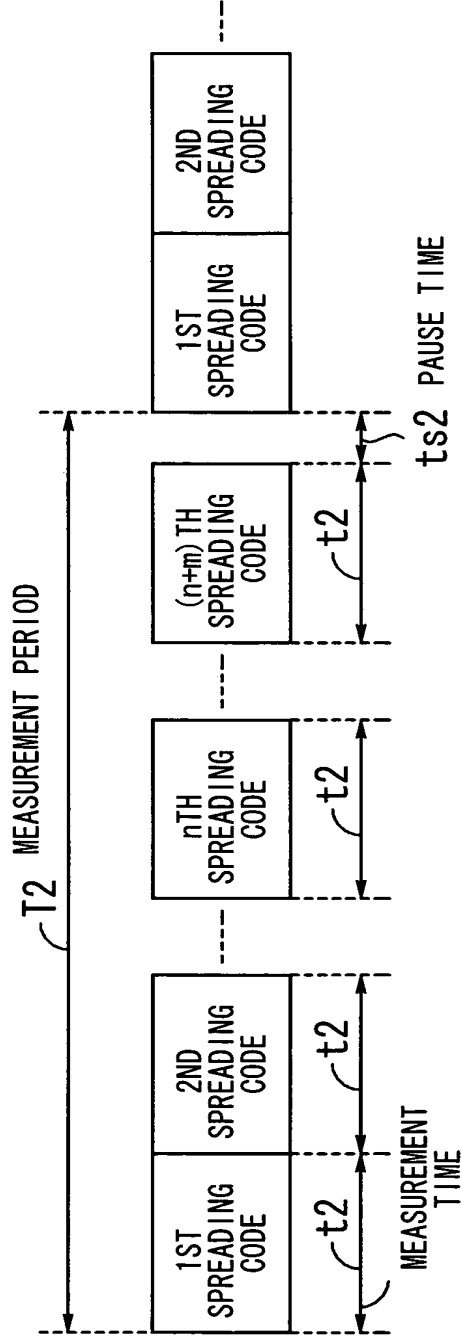


FIG. 6

STATE IN WHICH NUMBER OF SPREADING CODES IS INCREASED,
AND MEASUREMENT PERIOD IS NOT CHANGED

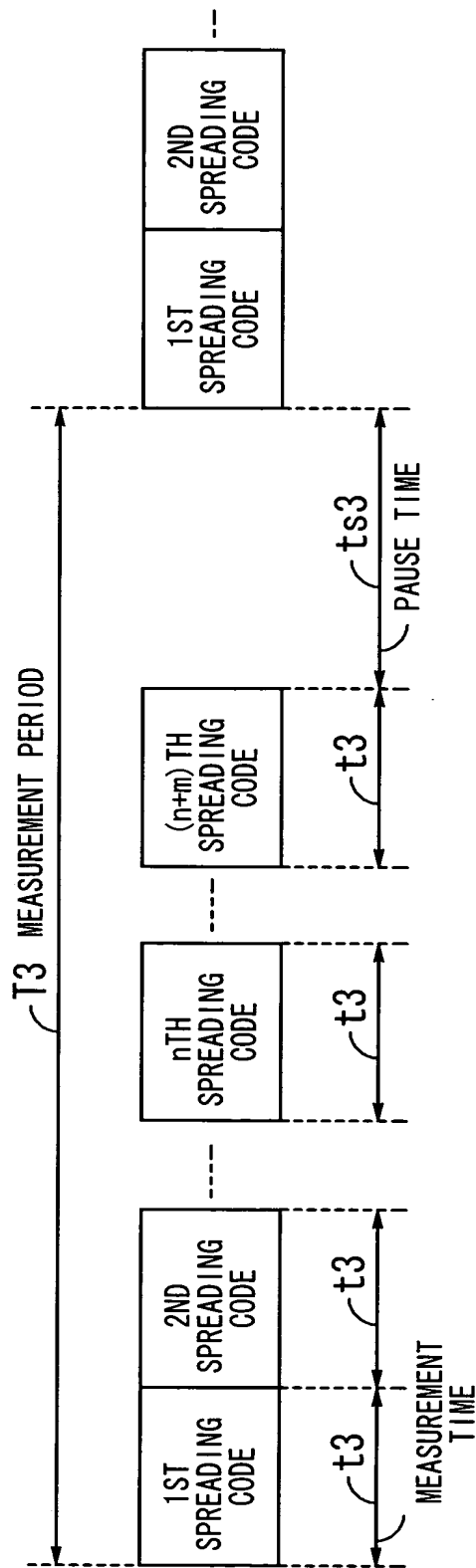


NUMBER OF SPREADING CODES = 20

$n = 16$
 $m = 4$
 $t_2 = 4 \text{ ms}$
 $T_2 = 100 \text{ ms}$
 $t_{s2} = 20 \text{ ms}$

FIG. 7

STATE IN WHICH NUMBER OF SPREADING CODES IS INCREASED,
AND MEASUREMENT PERIOD IS CHANGED



NUMBER OF SPREADING CODES = 30

$n = 16$

$m = 14$

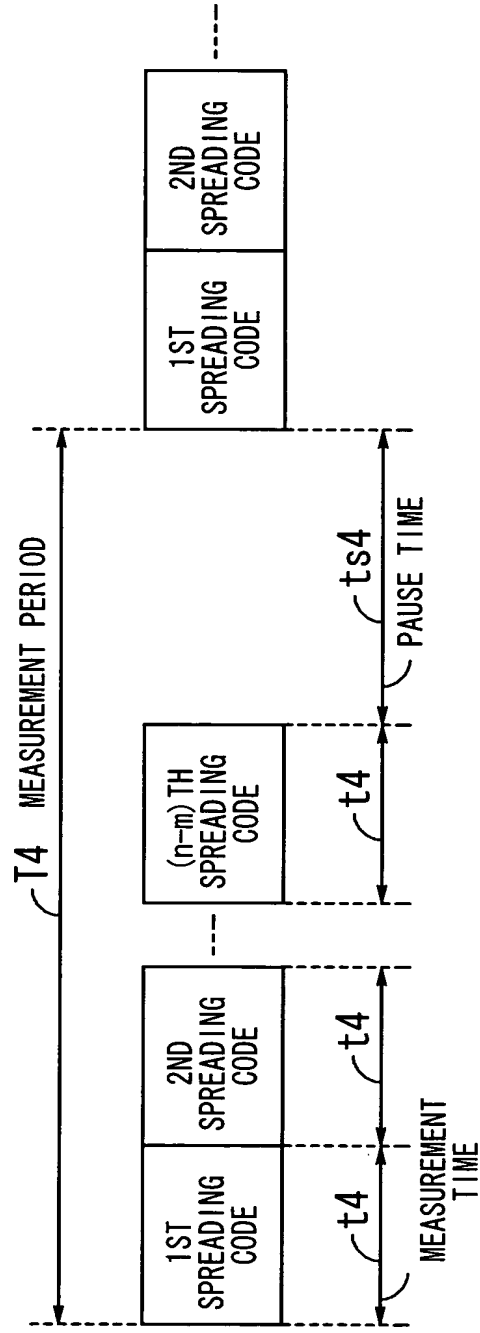
$t_3 = 4 \text{ ms}$

$T_3 = 200 \text{ ms}$

$t_{s3} = 80 \text{ ms}$

FIG. 8

STATE IN WHICH NUMBER OF SPREADING CODES IS DECREASED,
AND MEASUREMENT PERIOD IS NOT CHANGED



NUMBER OF SPREADING CODES = 12

$n = 16$
 $m = 4$
 $t_4 = 4 \text{ ms}$
 $T_4 = 100 \text{ ms}$
 $ts_4 = 52 \text{ ms}$

FIG. 9

The diagram illustrates the timing for the T5 measurement period. It consists of three sequential blocks of spreading codes: a 1ST SPREADING CODE, a 2ND SPREADING CODE, and an (n-m)TH SPREADING CODE. Each block has a duration of t_5 . The total duration of these three blocks is labeled as the T5 MEASUREMENT PERIOD. Following the third block, there is a PAUSE TIME. The measurement time for each block is indicated by a bracket labeled t_5 .

FIG. 10

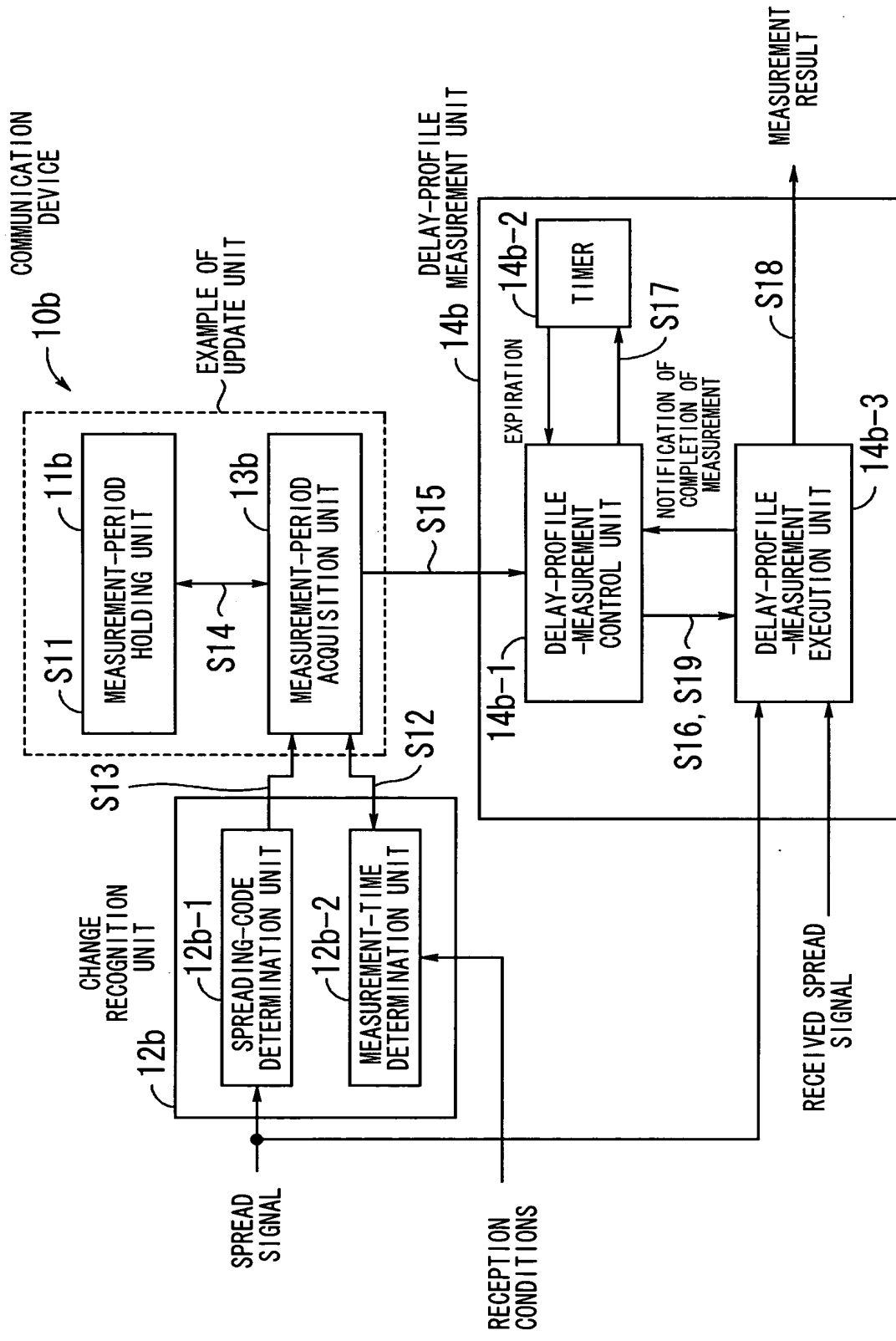


FIG. 11

↖ 11b-1

MEASUREMENT TIME	~ 1 m s	~ 2 m s	~ 4 m s
MEASUREMENT PERIOD	5 0 m s	1 0 0 m s	2 0 0 m s

FIG. 12

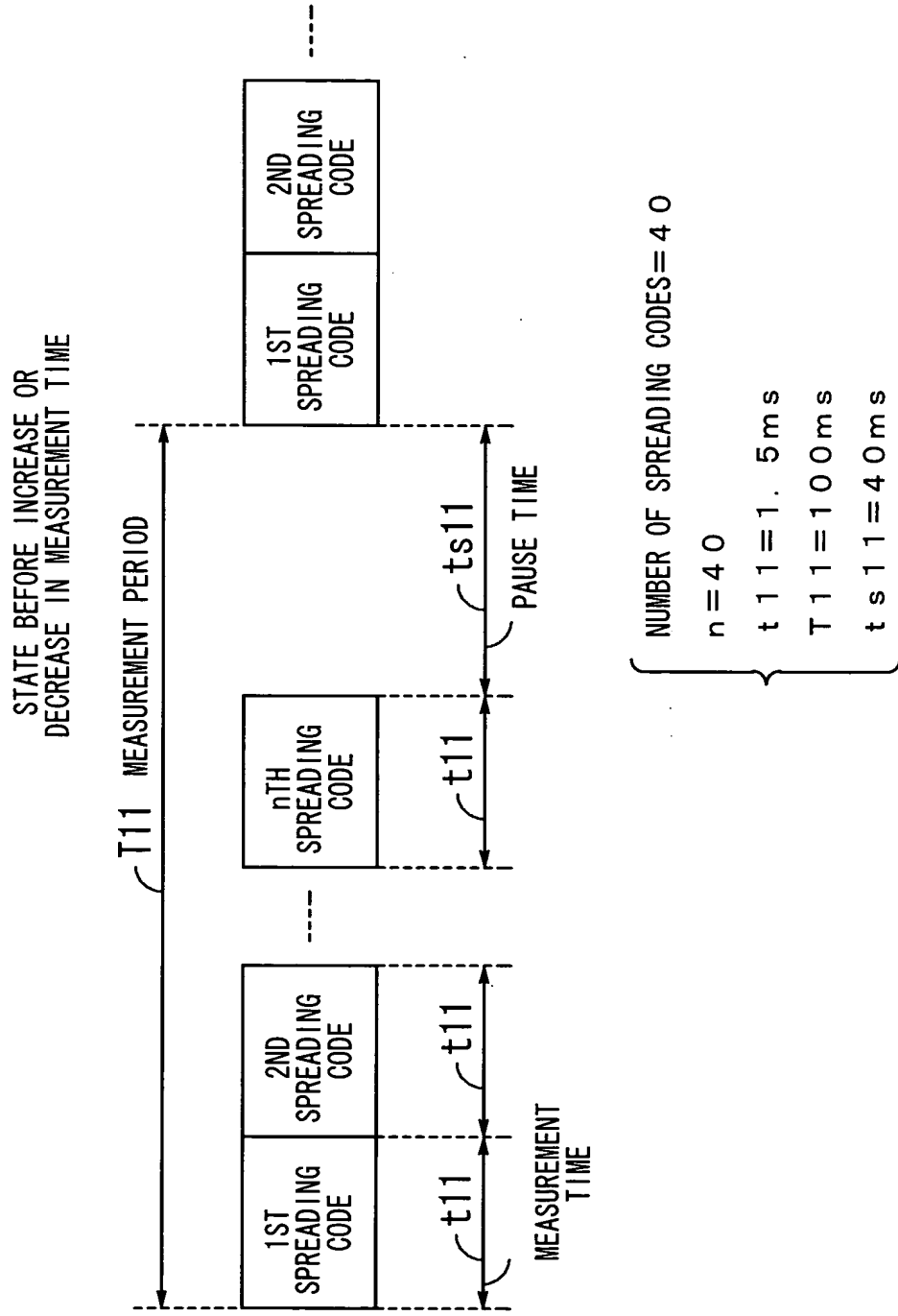
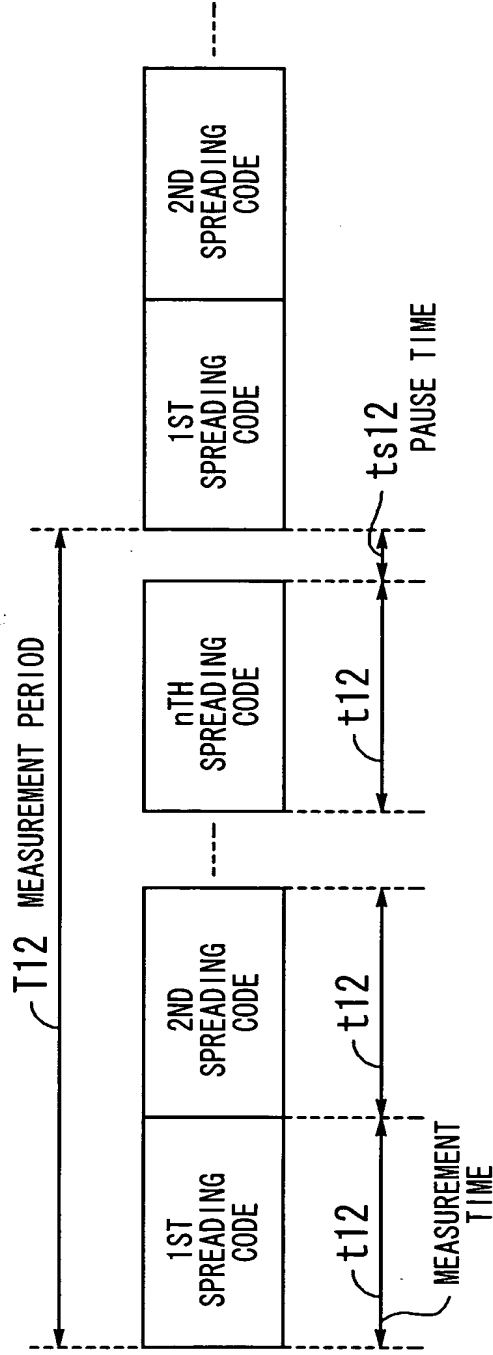


FIG. 13

STATE IN WHICH MEASUREMENT TIME IS INCREASED,
AND MEASUREMENT PERIOD IS NOT CHANGED



NUMBER OF SPREADING CODES = 40

$n = 40$

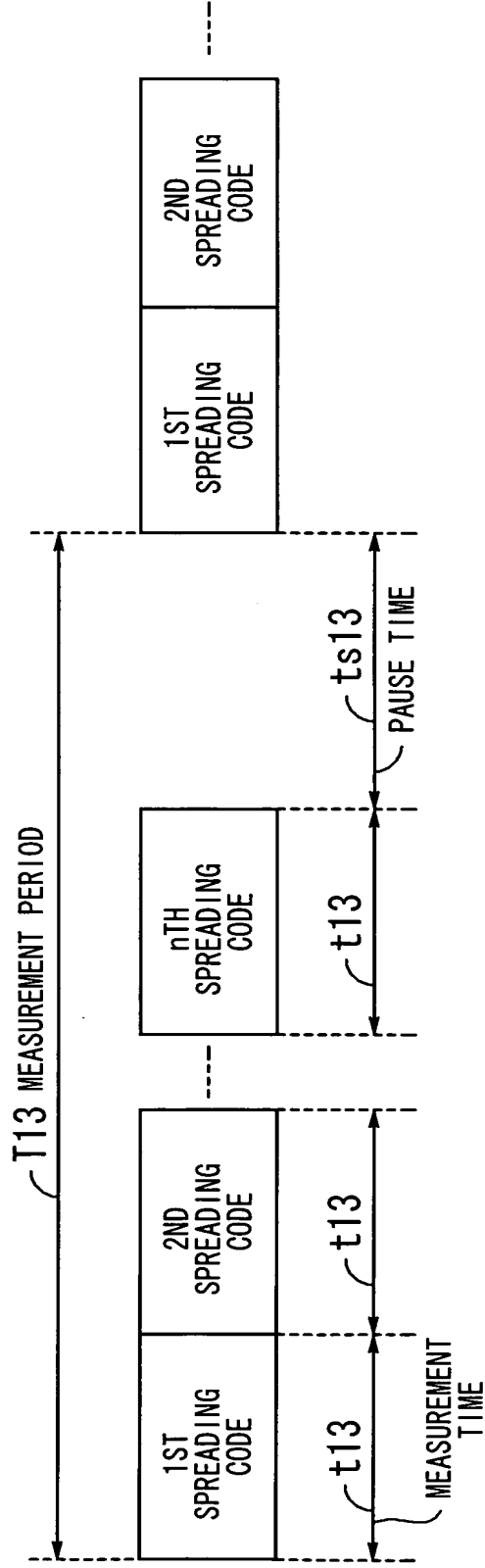
$t_{12} = 2\text{ms}$

$T_{12} = 100\text{ms}$

$t_{s12} = 20\text{ms}$

FIG. 14

STATE IN WHICH MEASUREMENT TIME IS INCREASED,
AND MEASUREMENT PERIOD IS CHANGED



NUMBER OF SPREADING CODES = 4 0
 $n = 4 0$
 $t_{13} = 3 \text{ m s}$
 $T_{13} = 200 \text{ m s}$
 $t_{s13} = 80 \text{ m s}$

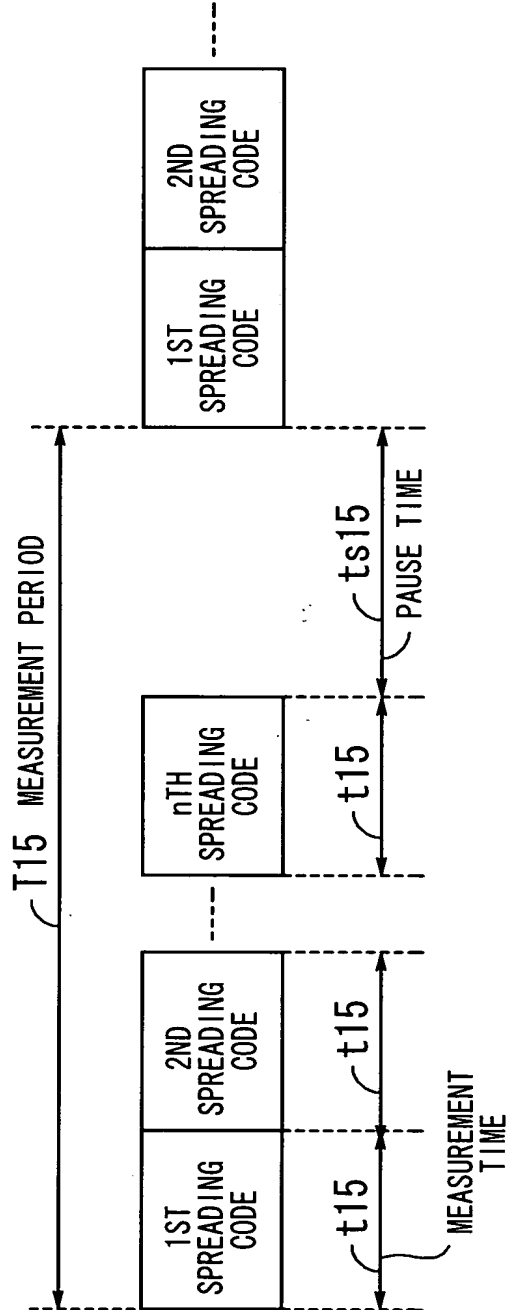
FIG. 15

The diagram illustrates the timing for a T14 measurement period. It shows a sequence of spreading codes: 1ST SPREADING CODE, 2ND SPREADING CODE, ..., nTH SPREADING CODE, followed by a PAUSE TIME, and then another sequence of 1ST SPREADING CODE, 2ND SPREADING CODE, ..., nTH SPREADING CODE. The measurement time (MEASUREMENT TIME) is indicated as the duration of the first sequence of codes, with each code having a duration of t_{14} . The total duration of the first sequence is labeled T_{14} MEASUREMENT PERIOD.

FIG. 16

FIG. 16

STATE IN WHICH MEASUREMENT TIME IS DECREASED,
AND MEASUREMENT PERIOD IS CHANGED



NUMBER OF SPREADING CODES = 4 0

$n = 4 0$
 $t_{15} = 0.5 \text{ ms}$
 $T_{15} = 50 \text{ ms}$
 $t_{s15} = 30 \text{ ms}$

FIG. 17

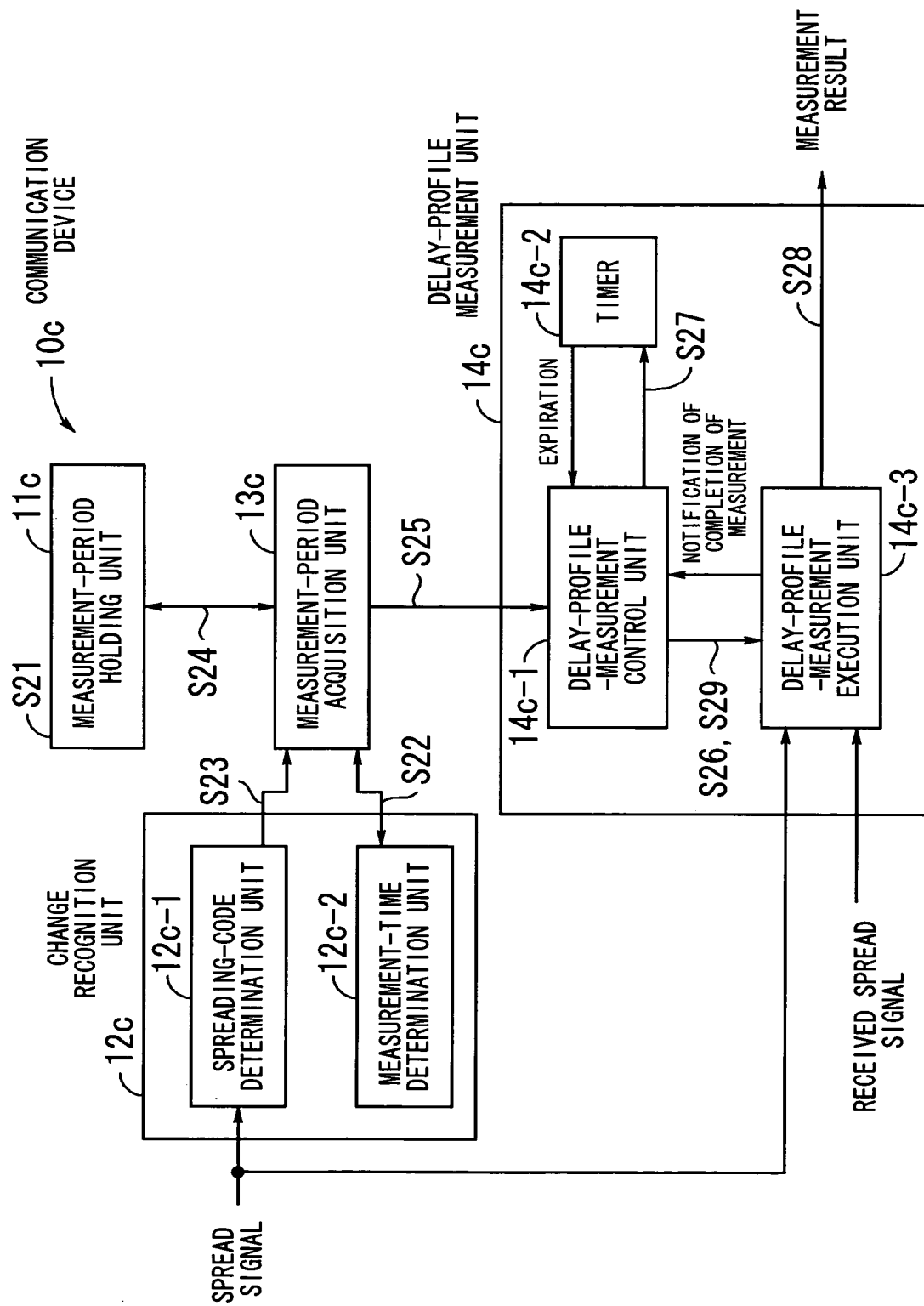


FIG. 18

↖ 11c-1

MEASUREMENT TIME \ NUMBER OF SPREADING CODE	1-16	17-32	33-48
~ 1 m s	5 0 m s	5 0 m s	5 0 m s
~ 2 m s	5 0 m s	1 0 0 m s	1 0 0 m s
~ 4 m s	1 0 0 m s	2 0 0 m s	2 0 0 m s

MEASUREMENT PERIOD

FIG. 19

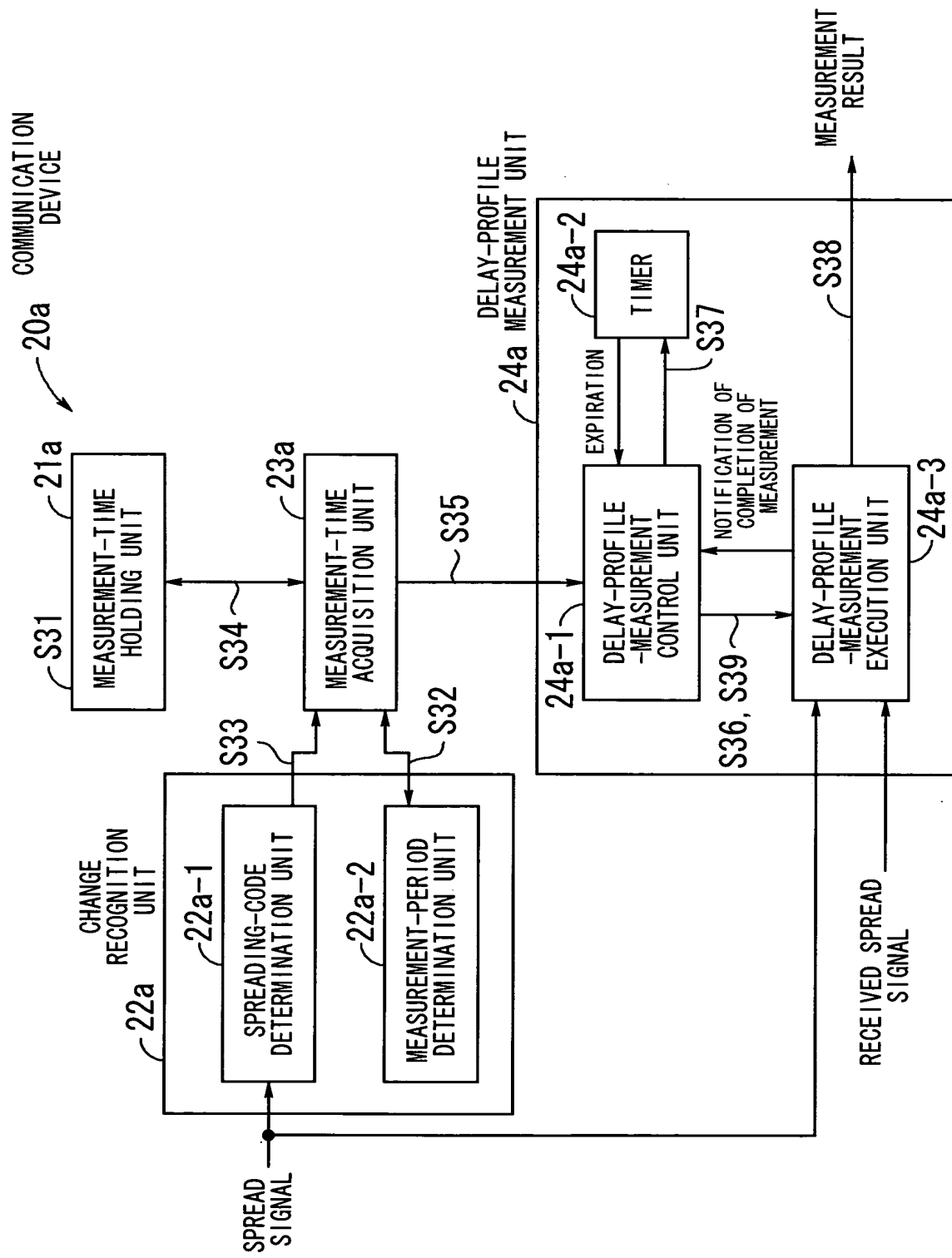


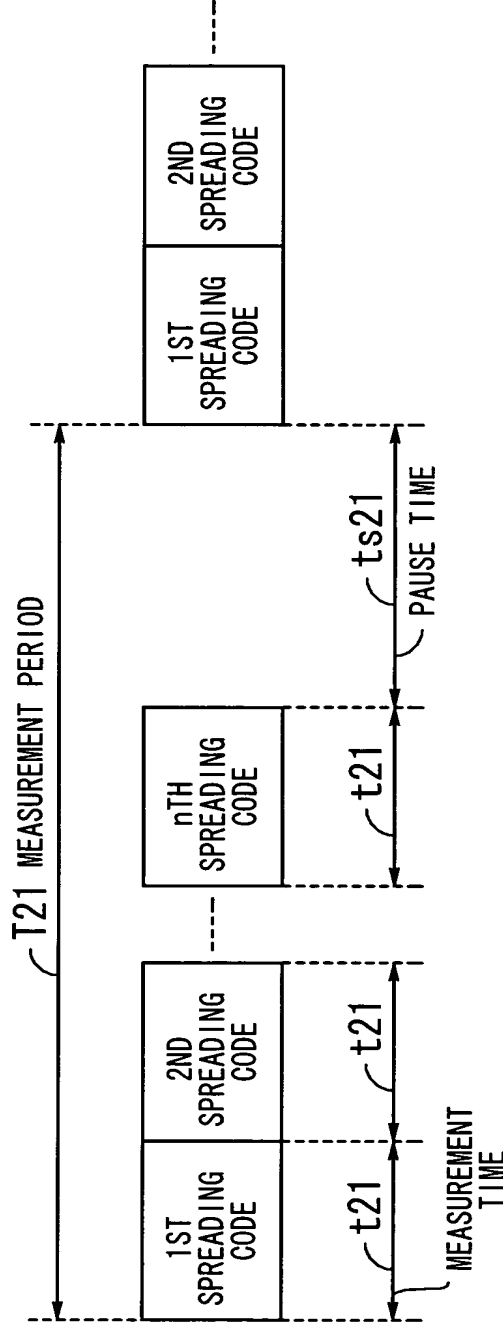
FIG. 20

21a-1

NUMBER OF SPREADING CODE	1-10	11-20	21-48
MEASUREMENT TIME	4ms	2ms	1ms

FIG. 21

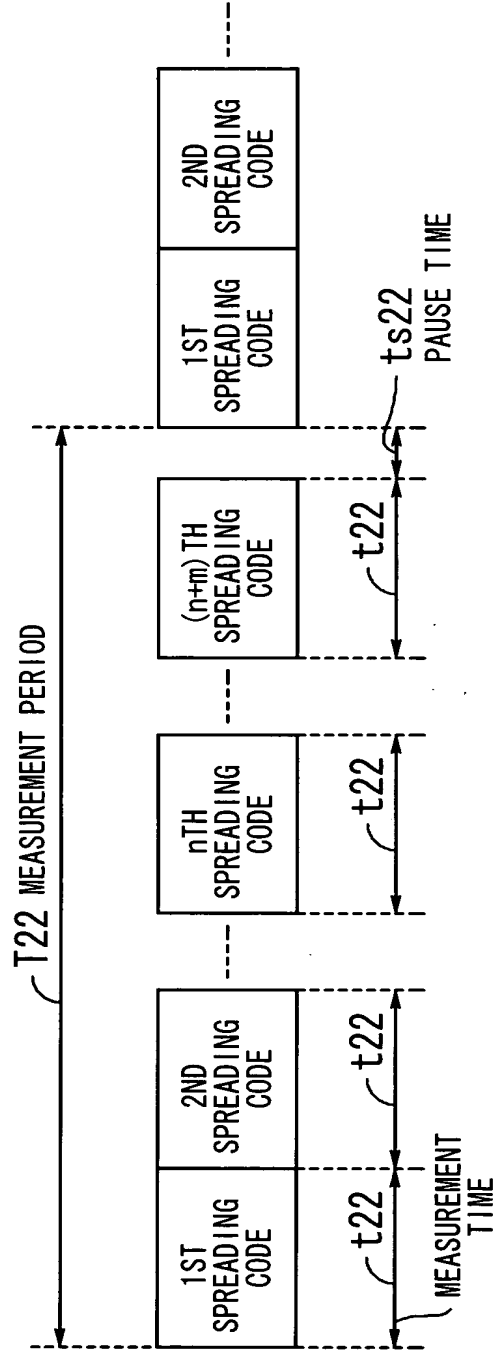
STATE BEFORE INCREASE OR DECREASE
IN NUMBER OF SPREADING CODES



NUMBER OF SPREADING CODES = 16
 $n = 16$
 $t_{21} = 2 \text{ ms}$
 $T_{21} = 50 \text{ ms}$
 $t_{s21} = 18 \text{ ms}$

FIG. 22

STATE IN WHICH NUMBER OF SPREADING CODES IS INCREASED,
AND MEASUREMENT TIME IS NOT CHANGED



NUMBER OF SPREADING CODES = 20

$n = 16$

$m = 4$

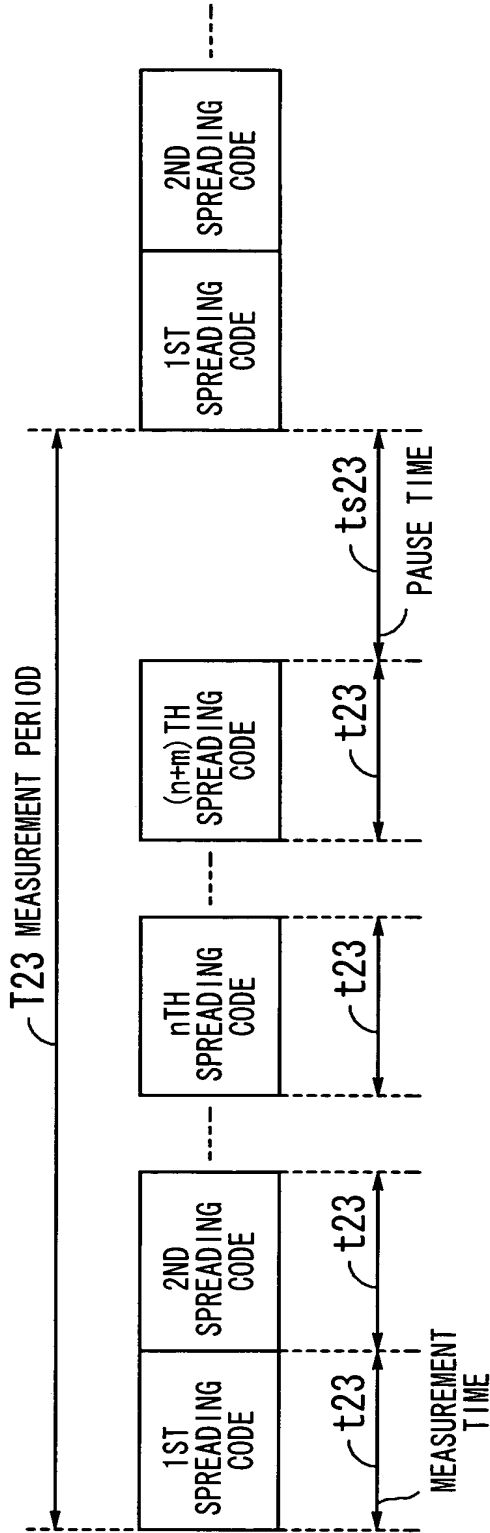
$t_{22} = 2 \text{ ms}$

$T_{22} = 50 \text{ ms}$

$t_{s22} = 10 \text{ ms}$

FIG. 23

STATE IN WHICH NUMBER OF SPREADING CODES IS INCREASED,
AND MEASUREMENT TIME IS CHANGED

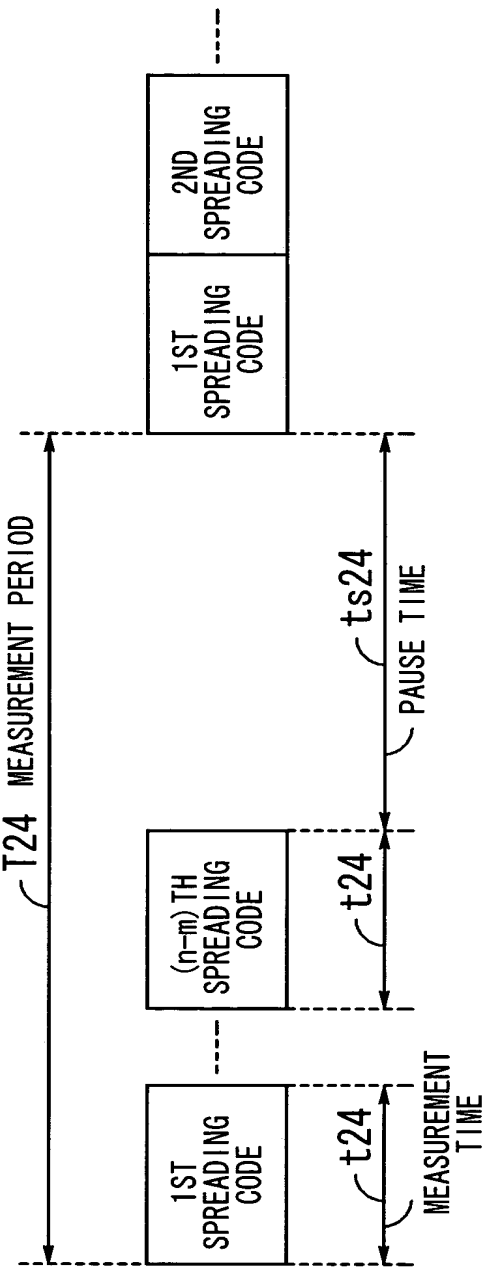


NUMBER OF SPREADING CODES = 30

$n = 16$
 $m = 14$
 $t_{23} = 1 \text{ ms}$
 $T_{23} = 50 \text{ ms}$
 $t_{s23} = 20 \text{ ms}$

FIG. 24

STATE IN WHICH NUMBER OF SPREADING CODES IS DECREASED,
AND MEASUREMENT TIME IS NOT CHANGED



NUMBER OF SPREADING CODES = 12

$n = 16$

$m = 4$

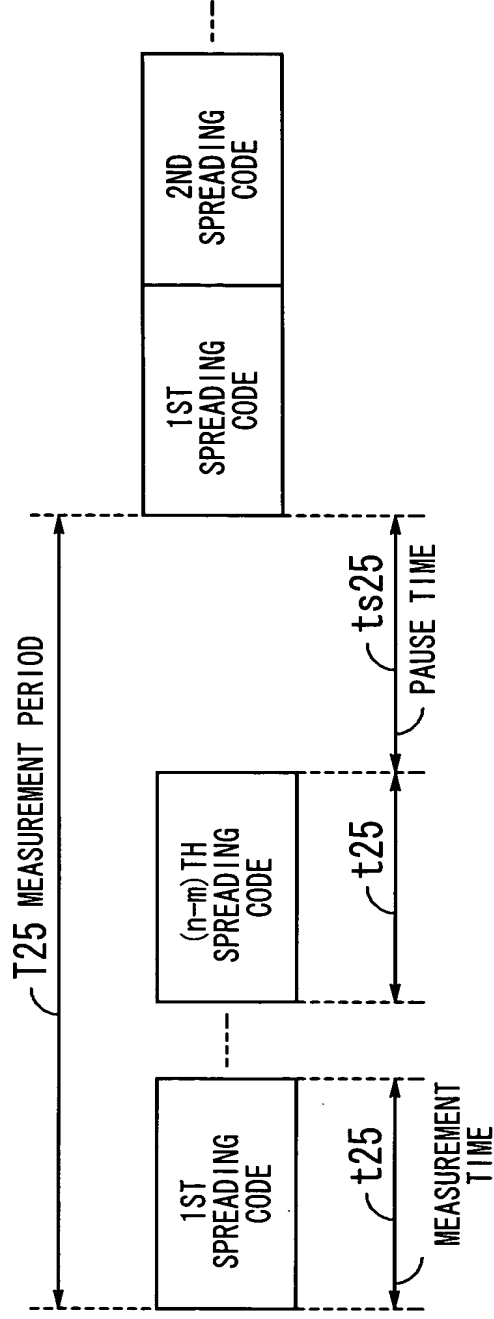
$t_{24} = 2 \text{ ms}$

$T_{24} = 50 \text{ ms}$

$t_{s24} = 26 \text{ ms}$

FIG. 25

STATE IN WHICH NUMBER OF SPREADING CODES IS DECREASED,
AND MEASUREMENT TIME IS CHANGED



NUMBER OF SPREADING CODES = 8

$$n = 16$$

$$m = 8$$

$$t_{25} = 4 \text{ ms}$$

$$T_{25} = 50 \text{ ms}$$

$$t_{s25} = 18 \text{ ms}$$

FIG. 26

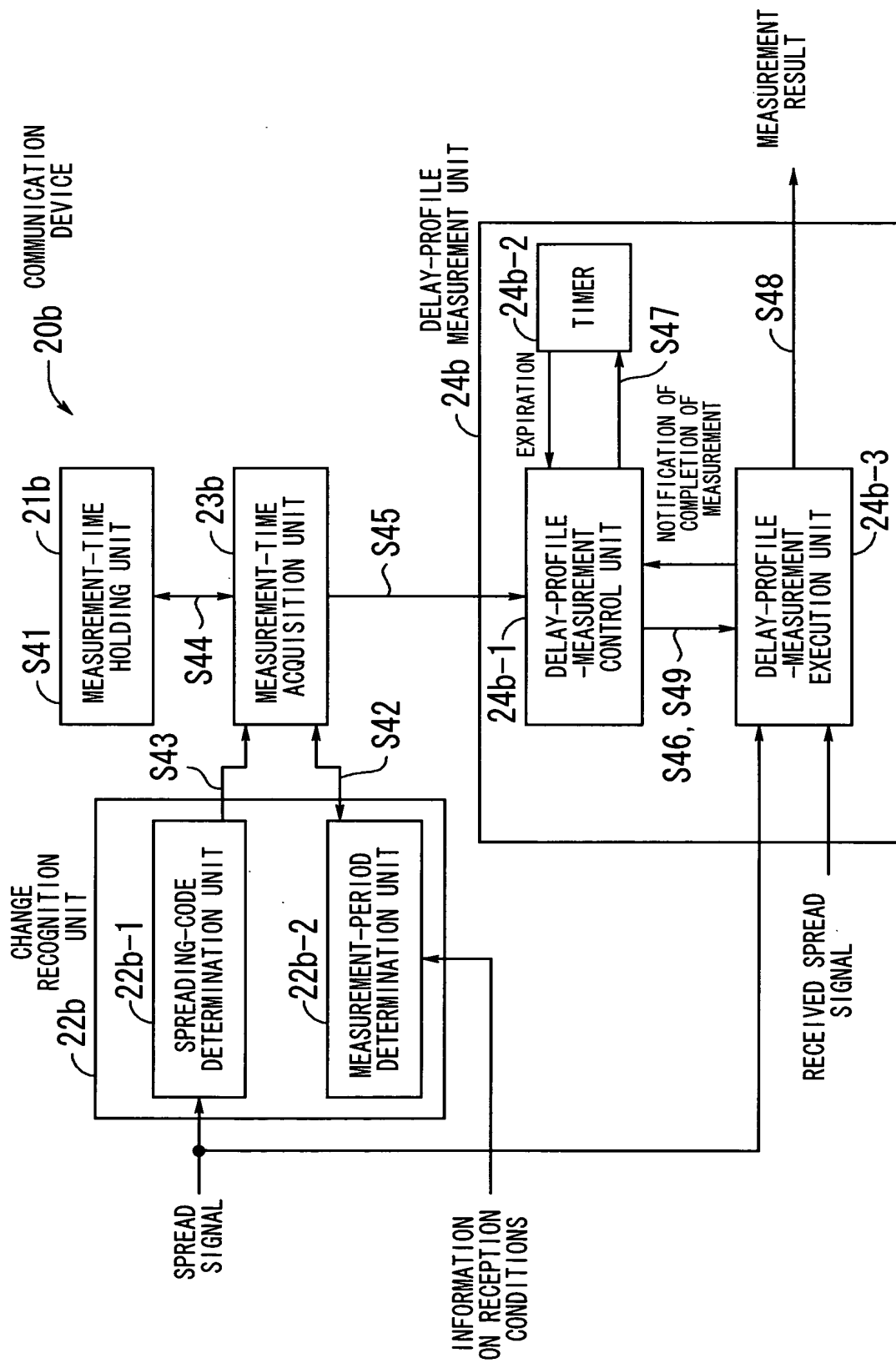


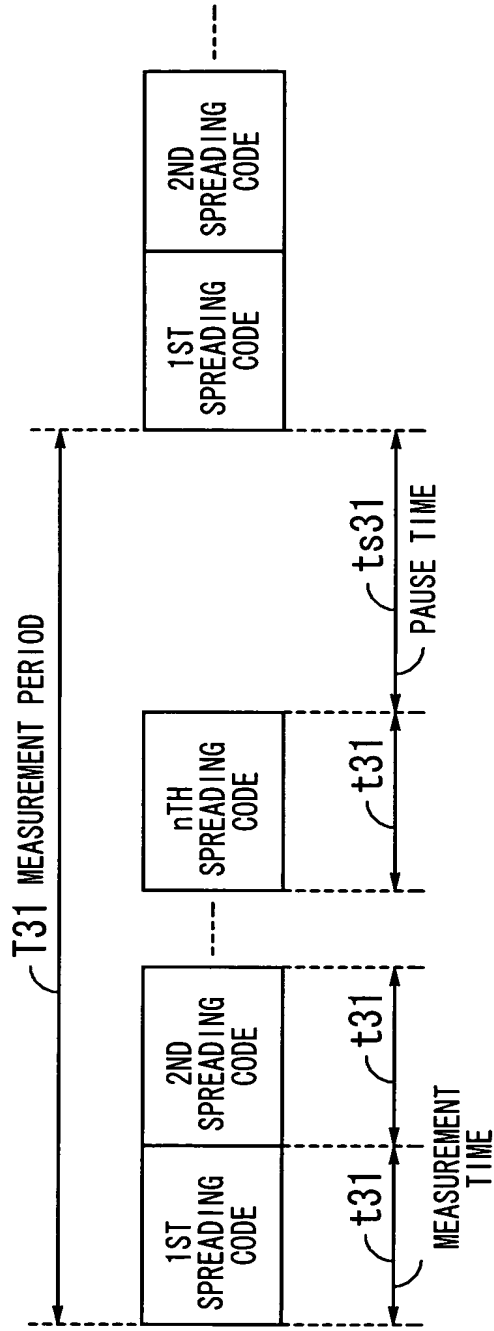
FIG. 27

21b-1

MEASUREMENT PERIOD	5 0 m s ~	1 0 0 m s ~	2 0 0 ~ 4 0 0 m s
MEASUREMENT TIME	1 m s	2 m s	4 m s

FIG. 28

STATE BEFORE INCREASE OR DECREASE
IN MEASUREMENT PERIOD



NUMBER OF SPREADING CODES = 40

$n = 40$

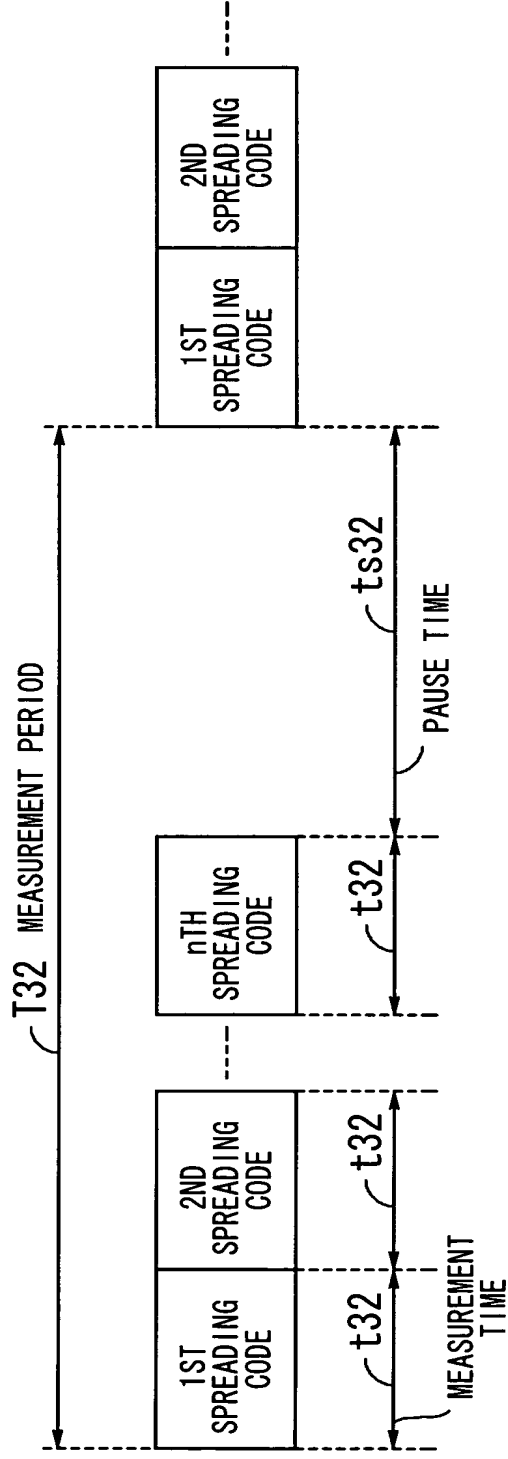
$t_{31} = 2 \text{ ms}$

$T_{31} = 150 \text{ ms}$

$t_{s31} = 70 \text{ ms}$

FIG. 29

STATE IN WHICH MEASUREMENT PERIOD IS INCREASED,
AND MEASUREMENT TIME IS NOT CHANGED



NUMBER OF SPREADING CODES = 4 0

$n = 4 0$

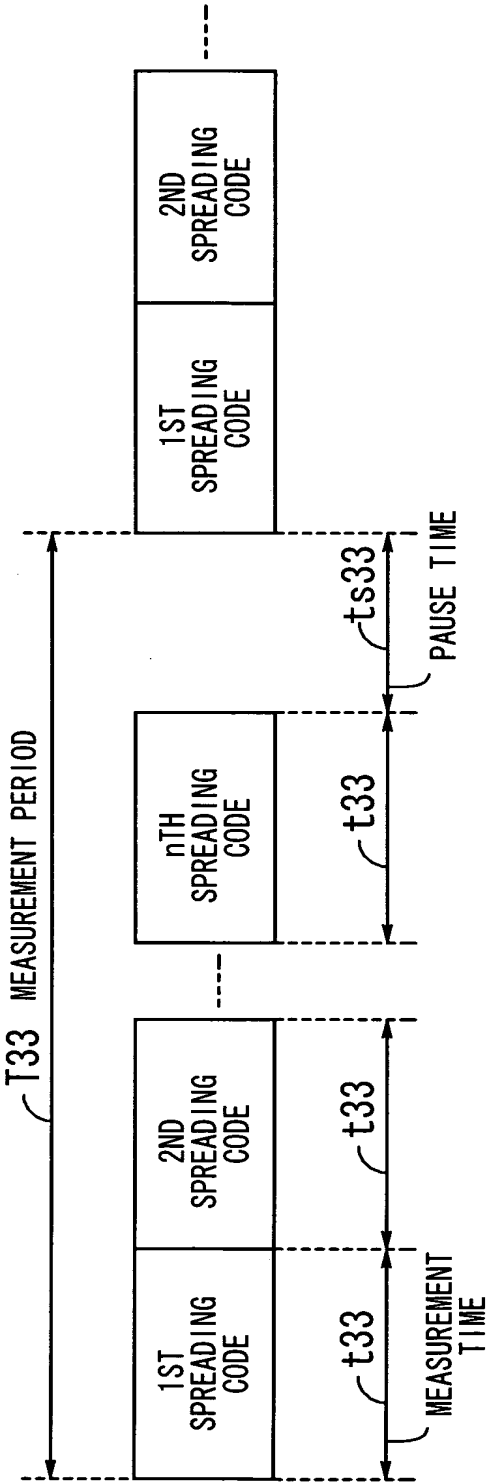
$t_{32} = 2 \text{ ms}$

$T_{32} = 190 \text{ ms}$

$t_{s32} = 110 \text{ ms}$

FIG. 30

STATE IN WHICH MEASUREMENT PERIOD IS INCREASED,
AND MEASUREMENT TIME IS CHANGED



NUMBER OF SPREADING CODES = 4 0
 $n = 4 0$
 $t 3 3 = 4 \text{ m s}$
 $T 3 3 = 3 0 0 \text{ m s}$
 $t s 3 3 = 1 4 0 \text{ m s}$

FIG. 31

STATE IN WHICH MEASUREMENT PERIOD IS DECREASED,
AND MEASUREMENT TIME IS NOT CHANGED

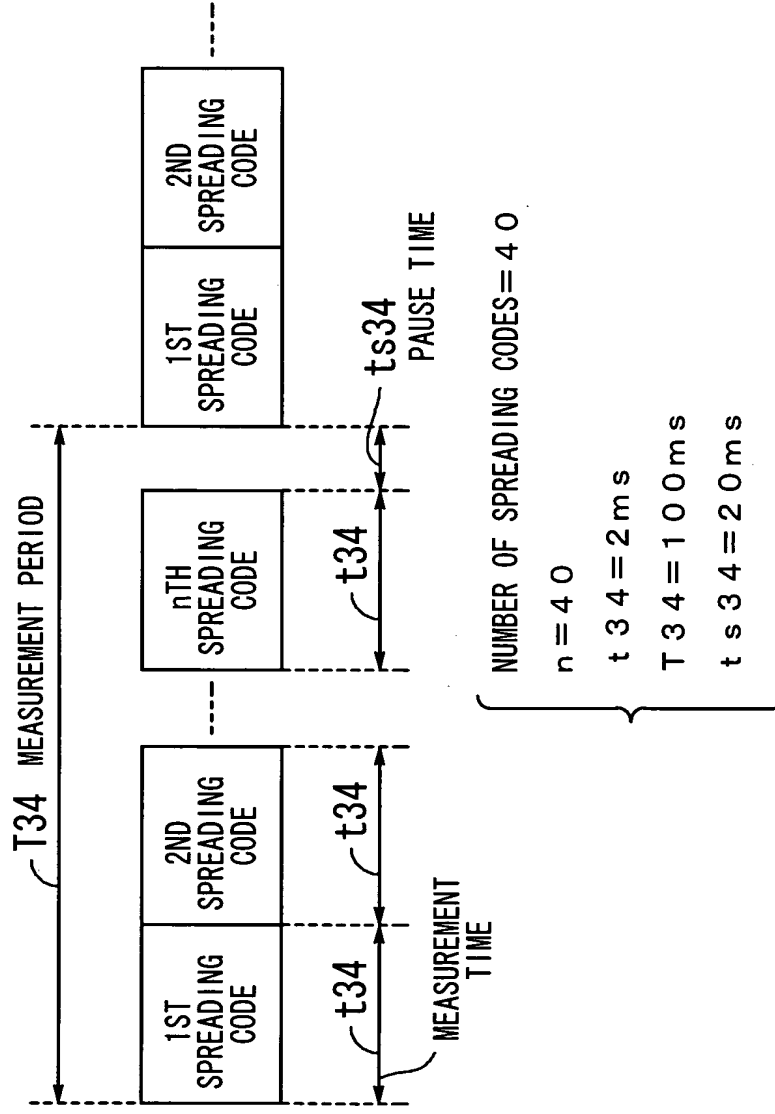


FIG. 32

STATE IN WHICH MEASUREMENT PERIOD IS DECREASED,
AND MEASUREMENT TIME IS CHANGED

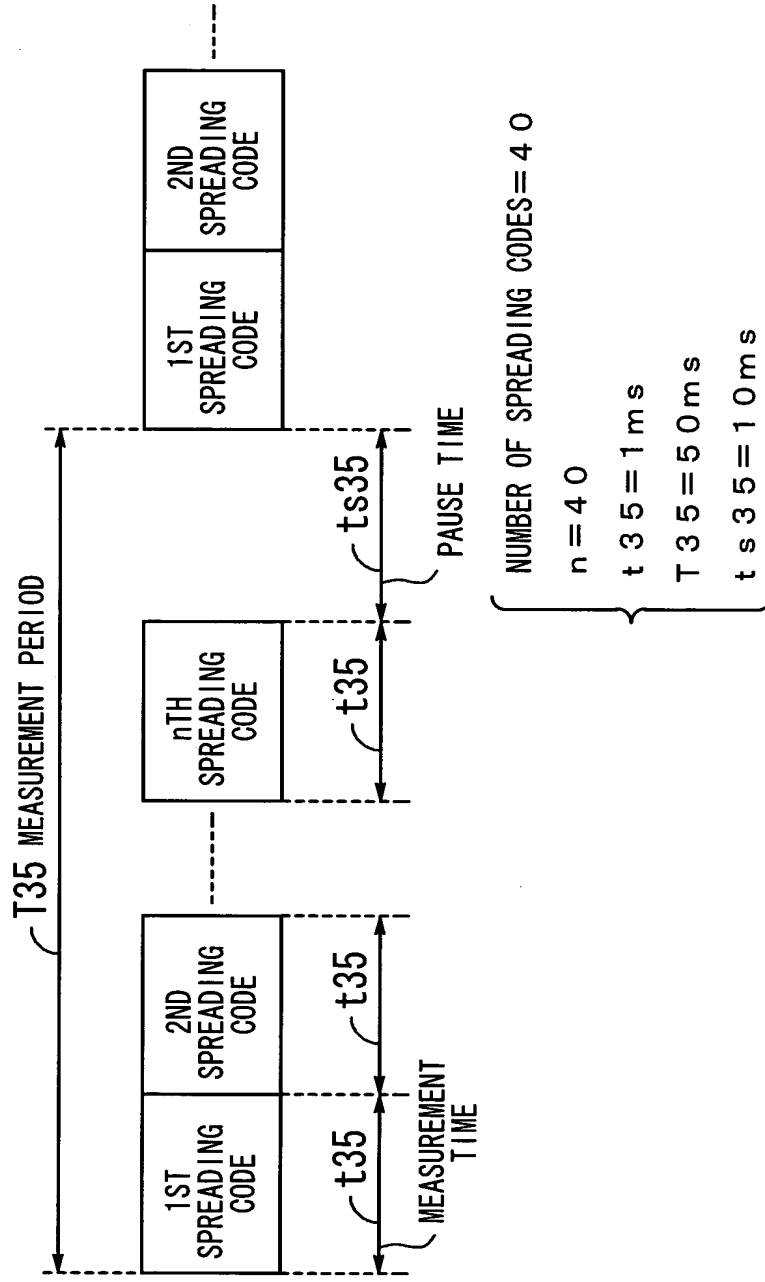


FIG. 33

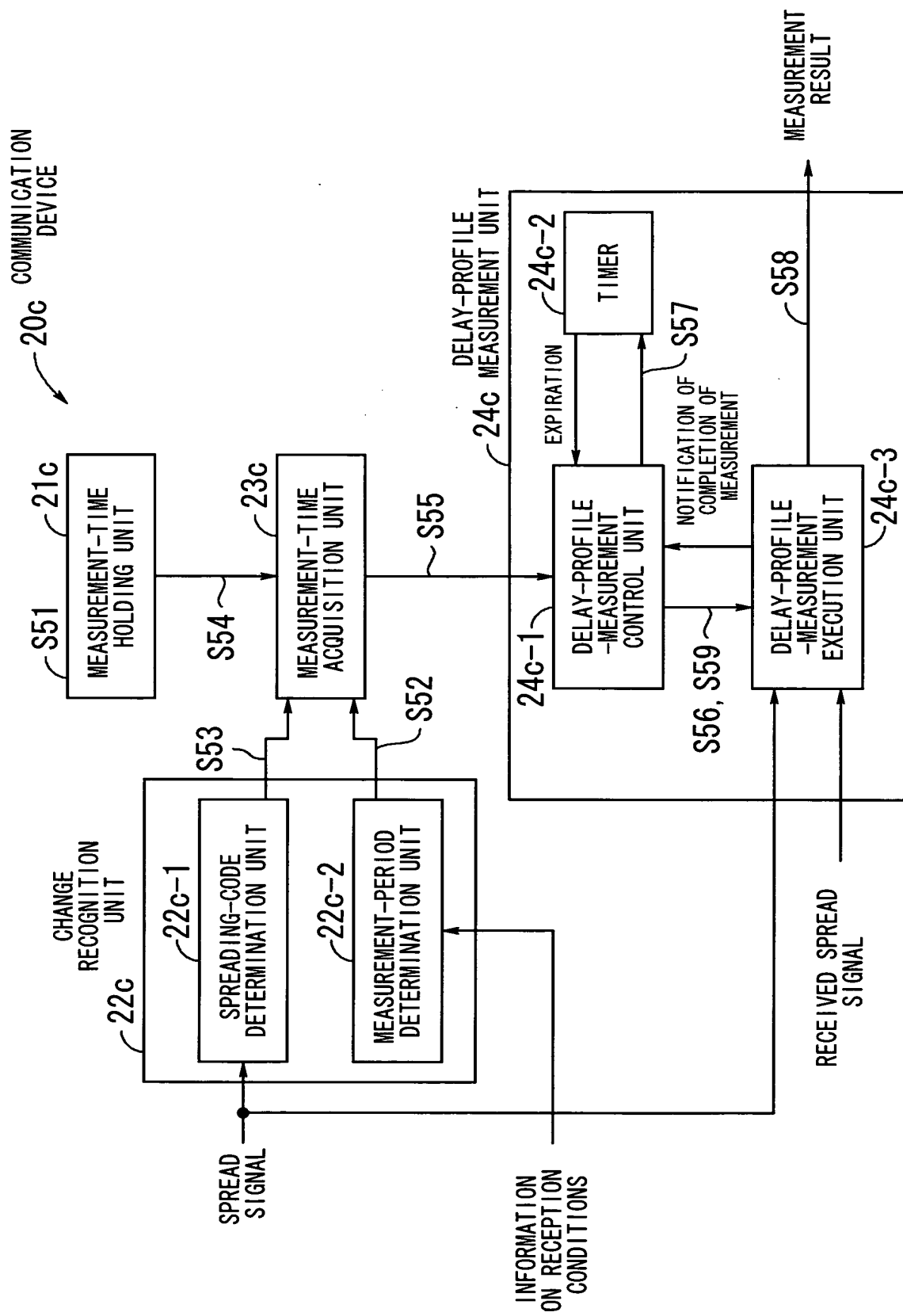


FIG. 34

↖ 21c-1

MEASUREMENT PERIOD \ NUMBER OF SPREADING CODE	1-16	17-32	33-48
50ms ~	2ms	1ms	1ms
100ms ~	4ms	2ms	2ms
200~400ms	4ms	4ms	4ms



 MEASUREMENT TIME

FIG. 35

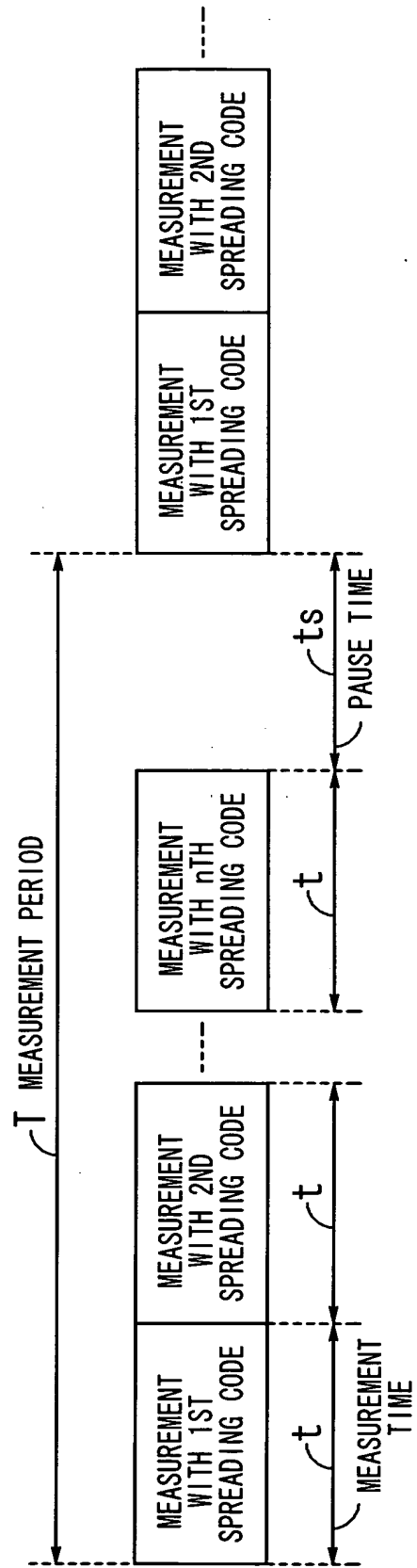


FIG. 36
PRIOR ART